

IN THE CLAIMS:

The following listing of the claims replaces all previous versions or listings:

Claims 1-16 (canceled)

17. (currently amended) Transformed and/or mutagenized unicellular or multicellular organism comprising enzymes of eugenol and/or ferulic acid catabolism which are inactivated such that the intermediates coniferyl alcohol, coniferyl aldehyde, ferulic acid, vanillin and/or vanillic acid ~~accumulate.~~ accumulate, and wherein eugenol and/or ferulic acid catabolism is altered by inserting Ω elements, or introducing deletions, into corresponding genes.

18. (canceled)

19. (previously presented) Organism according to Claim 17, wherein one or more genes encoding the enzymes coniferyl alcohol dehydrogenases, coniferyl aldehyde dehydrogenases, feruloyl-CoA synthetases, enoyl-CoA hydratase-aldolases, beta-ketothiolases, vanillin dehydrogenases or vanillic acid demethylases is/are altered and/or inactivated.

20. (previously presented) An organism according to Claim 17, wherein said organism is unicellular.

21. (previously presented) An organism according to Claim 20, wherein said organism is selected from a group consisting of a microorganism, a plant or animal cell.

22. (previously presented) An organism according to Claim 17, wherein said organism is a bacterium.

23. (previously presented) An organism according to Claim 22, wherein said organism is of the *Pseudomonas* species.

24. (previously presented) Gene structures comprising nucleotide sequences which encode the enzymes coniferyl alcohol dehydrogenases, coniferyl aldehyde dehydrogenases, feruloyl-CoA synthetases, enoyl-CoA hydratase-aldolases, beta-ketothiolases, vanillin-dehydrogenases or vanillic acid demethylases, or two or more of these enzymes, and are altered and/or inactivated.

25. (previously presented) Gene structures having the sequences corresponding to SEQ ID NO:1 to SEQ ID NO:18.

26. (previously presented) Vectors comprising at least one gene structure having the sequences corresponding to SEQ ID NO:1 to SEQ ID NO: 18.

27. (previously presented) A transformed organism according to Claim 17, wherein said organism comprises at least one vector comprising at least one gene structure having the sequences corresponding to SEQ ID NO:1 to SEQ ID NO:18.

28. (previously presented) Organism according to Claim 17, wherein said organism comprises at least one gene structure having the sequences corresponding to SEQ ID NO:1 to SEQ ID NO:18 which is integrated into the genome instead of the respective intact gene.

29. (previously presented) Process for the biotechnological preparation of alcohols, aldehydes and organic acids, comprising the step of adding an organism comprising enzymes of eugenol and/or ferulic acid catabolism which are inactivated such that the intermediates coniferyl alcohol, coniferyl aldehyde, ferulic acid, vanillin and/or vanillic acid accumulate.

30. (currently amended) Process for preparing an organism according to Claim 17, wherein the alteration in eugenol and/or ferulic acid catabolism is achieved by microbiological culturing methods.

31. (previously presented) Process for preparing an organism according to Claim 29, wherein the alteration in eugenol and/or ferulic acid catabolism, and/or the inactivation of the corresponding genes, is achieved by means of recombinant DNA methods.